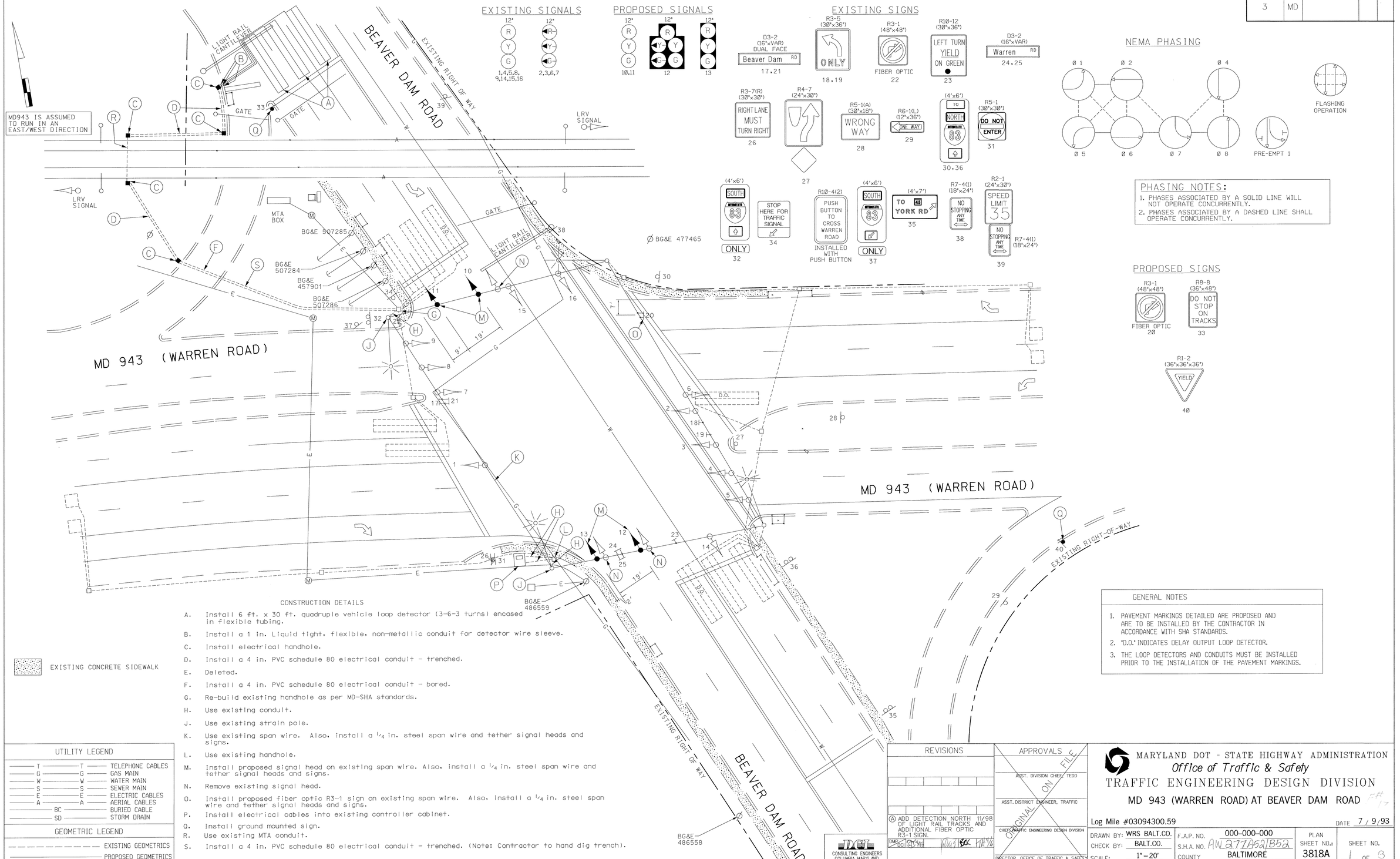
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			



EXISTING SIGNALS

PROPOSED SIGNALS

EXISTING SIGNS

NEMA PHASING

PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE SHALL OPERATE CONCURRENTLY.

PROPOSED SIGNS

CONSTRUCTION DETAILS

A. Install 6 ft. x 30 ft. quadruple vehicle loop detector (3-6-3 turns) encased in flexible tubing.

B. Install a 1 in. Liquid tight, flexible, non-metallic conduit for detector wire sleeve.

C. Install electrical handhole.

D. Install a 4 in. PVC schedule 80 electrical conduit – trenched.

E. Deleted.

F. Install a 4 in. PVC schedule 80 electrical conduit – bored.

G. Re-build existing handhole as per MD-SHA standards.

H. Use existing conduit.

J. Use existing strain pole.

K. Use existing span wire. Also, install a 1/4 in. steel span wire and tether signal heads and signs.

L. Use existing handhole.

M. Install proposed signal head on existing span wire. Also, install a 1/4 in. steel span wire and tether signal heads and signs.

N. Remove existing signal head.

O. Install proposed fiber optic R3-1 sign on existing span wire. Also, install a 1/4 in. steel span wire and tether signal heads and signs.

P. Install electrical cables into existing controller cabinet.

Q. Install ground mounted sign.

R. Use existing MTA conduit.

S. Install a 4 in. PVC schedule 80 electrical conduit – trenched. (Note: Contractor to hand dig trench).

EXISTING CONCRETE SIDEWALK

UTILITY LEGEND	
T	TELEPHONE CABLES
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
BC	BURIED CABLE
SD	STORM DRAIN

GEOMETRIC LEGEND	
	EXISTING GEOMETRICS
	PROPOSED GEOMETRICS

GENERAL NOTES

1. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH SHA STANDARDS.
2. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
3. THE LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.

REVISIONS	APPROVALS
A ADD DETECTION NORTH 11/98 OF LIGHT RAIL TRACKS AND ADDITIONAL FIBER OPTIC R3-1 SIGN. DMB DCI	ASST. DIVISION CHIEF, TEDD ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC & SAFETY ORIGINAL ON FILE

DYER CONSULTING ENGINEERS COLUMBIA, MARYLAND

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 943 (WARREN ROAD) AT BEAVER DAM ROAD

Log Mile #03094300.59

DATE 7/9/93

DRAWN BY: WRS BALT.CO.	F.A.P. NO. 000-000-000	PLAN SHEET NO.: 3818A	SHEET NO. 1 OF 3
CHECK BY: BALT.CO.	S.H.A. NO. AW277A52B52		
SCALE: 1"=20'	COUNTY BALTIMORE		